In the Claims

1-4. (cancelled)

- 5. (currently amended) A method according to claim 1, of curing a composition comprising
- (a) at least one free-radical-polymerisable compound or
- (b) at least one compound that, under the action of an acid, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or
- (c) at least one compound that, under the action of a base, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or

a mixture of components (a) and (b), or

a mixture of components (a) and (c); and

(d) at least one photolatent compound that is activatable by plasma discharge; wherein

the composition is applied to a three-dimensional substrate and

the curing is carried out in a plasma discharge chamber

wherein component (d) in the composition is at least one compound selected from the group consisting of formula I, II [[, III]] and IV

$$R_{4a}$$
 $C - C - R_2$ (I), wherein

 R_1 is C_1 - C_{12} alkyl or C_1 - C_{12} alkoxy;

 R_2 is phenyl, OR_5 or NR_7R_8 ;

 R_3 has one of the definitions given for R_1 or is C_3 - C_{12} alkenyl, phenyl- C_1 - C_6 alkyl or C_1 - C_6 alkyl;

or R_1 and R_3 , together with the carbon atom to which they are bonded, form a cyclohexyl ring; R_2 being phenyl when R_1 and R_3 are both alkoxy;

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R₄ and R_{4a} are each independently of the other hydrogen, C₁-C₁₂alkyl, C₁-C₁₂hydroxyalkyl, OR₅, SR₆,

NR₇R₈, halogen,
$$-R_9$$
 $\stackrel{\bigcirc}{-}$ $\stackrel{\longrightarrow}{-}$ $\stackrel{\bigcirc}{-}$ $\stackrel{\bigcirc}{-}$ $\stackrel{\bigcirc}{-}$ $\stackrel{\bigcirc}{-}$ $\stackrel{\bigcirc}{-}$ $\stackrel{\bigcirc}{-}$

a monovalent linear or branched siloxane radical;

n is a number from 1 to 10;

 R_5 and R_6 are each independently of the other hydrogen, C_1 - C_{12} alkyl, C_1 - C_{12} alkenyl, phenyl, benzyl, $Si(CH_3)_3$ or $-[C_aH_{2a}X]_b^-R_{10}$;

 R_7 and R_8 are each independently of the other hydrogen, C_1 - C_{12} alkyl or C_2 - C_5 hydroxyalkyl, or R_7 and R_8 , together with the N atom to which they are bonded, form a 5- or 6-membered ring, which may also contain O atoms or a NR_{11} group;

$$\mathbf{R_9}$$
 is a single bond, O, S, NR_{11} , $-CH_2CH_2$ - or $-C$; R_{13}

a and b are each independently of the other a number from 1 to 12;

X is S, O or NR₁₁;

 R_{11} is hydrogen, phenyl, phenyl- C_1 - C_4 alkyl, C_1 - C_{12} alkyl or C_2 - C_5 hydroxyalkyl; and R_{12} , R_{13} and R_{14} are each independently of the others hydrogen or methyl;

- 3 -

$$R_{19}$$
 R_{17}
 C
 P
 R_{16}
 R_{18}
 R_{18}
 R_{18}
 R_{18}
 R_{19}
 R_{19}

10

 R_{15} and R_{16} are each independently of the other C_1 - C_{12} alkyl, C_1 - C_{12} alkoxy; phenyl which is unsubstituted or substituted by one or more OR_{22} , SR_{23} , $NR_{24}R_{25}$, C_1 - C_{12} alkyl or halogen substituents;

or
$$R_{15}$$
 and R_{16} are biphenylyl, naphthyl, phenyl- C_1 - C_4 alkyl or R_{17} R_{20}

 R_{17} and R_{18} are each independently of the other C_1 - C_{12} alkyl, C_1 - C_{12} alkoxy, CF_3 or halogen; R_{19} , R_{20} and R_{21} are each independently of the others hydrogen, C_1 - C_{12} alkyl, C_1 - C_{12} alkoxy, CF_3 or halogen;

 R_{22} , R_{23} , R_{24} and R_{25} are each independently of the others hydrogen, C_1 - C_{12} alkyl, C_2 - C_{12} alkenyl, C_3 - C_8 cycloalkyl, phenyl, benzyl, or C_2 - C_{20} alkyl which is interrupted by O atoms and is unsubstituted or substituted by OH or/and SH; or R_{24} and R_{25} , together with the N atom to which they are bonded, form a 5- or 6-membered ring, which may also contain O or S atoms or an NR_{26} group; and R_{26} is hydrogen, phenyl, phenyl- C_1 - C_4 alkyl, C_1 - C_{12} alkoxy, C_1 - C_{12} alkyl or C_1 - C_{12} hydroxyalkyl;

 R_{27} , R_{28} , R_{30} , R_{34} and R_{32} are each independently of the others hydrogen, C_4 - C_4 alkyl, phenyl, naphthyl, $-OR_{35}$, $-SR_{35}$, $-(CO)O(C_4$ - C_4 alkyl), halogen, $NR_{33}R_{34}$ -or a monovalent linear or branched-siloxane radical, or R_{29} and R_{30} , each in the o-position to the carbonyl group, together form a S atom; and

 R_{33} and R_{34} are each independently of the other hydrogen, C_4 - C_4 alkyl, C_2 - C_6 hydroxyalkyl, or R_{33} and R_{34} , together with the N atom to which they are bonded, form a 5- or 6-membered ring, which may also contain O atoms or a NR₁₄-group; and

R₃₅ is C₄-C₁₂alkyl, C₂-C₆hydroxyalkyl or phenyl;

$$R_{38}$$
 R_{39}
 R_{40}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{40}
 R_{40}
 R_{40}

R₃₆, R₃₇, R₃₈, R₃₉ and R₄₀ are each independently of the others hydrogen, C₁-C₁₂alkyl unsubstituted or substituted by OH, C₁-C₄alkoxy, phenyl, naphthyl, halogen, CN and/or by -OCOR₄₁, or C₂-C₁₂alkyl

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which is interrupted by one or more O atoms, or R₃₆, R₃₇, R₃₈, R₃₉ and R₄₀ are OR₄₂, SR₄₃, NR₄₄R₄₅, halogen, a monovalent linear or branched siloxane radical, or phenyl unsubstituted or substituted by one or two C₁-C₄alkyl or/and one or two C₁-C₄alkoxy substituents, it being possible for the substituents OR₄₂, SR₄₃, NR₄₄R₄₅ to form 5- or 6-membered rings by way of the radicals R₄₂, R₄₃, R₄₄ and/or R₄₅ with further substituents on the phenyl ring or with one of the carbon atoms of the phenyl ring;

 R_{41} is C_1 - C_8 alkyl, or phenyl unsubstituted or substituted by from one to three C_1 - C_4 alkyl and/or one to three C_1 - C_4 alkoxy substituents;

 R_{42} and R_{43} are each independently of the other hydrogen, C_1 - C_{12} alkyl unsubstituted or substituted by OH, C_1 - C_4 alkoxy, phenyl, phenoxy or/and by -OCOR₄₁, or C_2 - C_{12} alkyl which is interrupted by one or more O atoms, or R_{42} and R_{43} are phenyl unsubstituted or substituted by C_1 - C_4 alkoxy, phenyl or/and by C_1 - C_4 alkyl, or R_{42} and R_{43} are C_3 - C_6 alkenyl, cyclopentyl, cyclohexyl or naphthyl;

 R_{44} and R_{45} are each independently of the other hydrogen, C_1 - C_{12} alkyl unsubstituted or substituted by OH, C_1 - C_4 alkoxy or/and by phenyl, or C_2 - C_{12} alkyl which is interrupted by one or more O atoms, or R_{44} and R_{45} are phenyl, - COR_{41} or SO_2R_{46} , or R_{44} and R_{45} , together with the nitrogen atom to which they are bonded, form a 5-, 6- or 7-membered ring, which may also be interrupted by -O- or - NR_{47} -;

 R_{46} is C_1 - C_{12} alkyl, phenyl or 4-methylphenyl;

 R_{47} is hydrogen, C_1 - C_8 alkyl unsubstituted or substituted by OH or by C_1 - C_4 alkoxy, or is phenyl unsubstituted or substituted by OH, C_1 - C_4 alkyl or by C_1 - C_4 alkoxy;

Y is
$$-Y_1$$
 O C R_{30} R_{39} R_{38} , C_1 C_{20} alkyl, phenyl, naphthyl, phenyl- C_1 C_4 alkyl or a

monovalent linear or branched siloxane radical;

 Y_1 is C_1 - C_{12} alkylene, C_4 - C_8 alkenylene, C_4 - C_8 alkynylene, cyclohexylene, C_4 - C_{40} alkylene interrupted by one or more -O-, -S- or -NR₄₈-, or is phenylene or Y_1 is a group

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$$- \left\langle \begin{array}{c} \overset{\text{CH}_3}{\overset{\text{C}}{\text{CH}_3}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{CH}_3}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{CH}_3}{\overset{\text{C}}{\text{CH}_3}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{CH}_3}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{H}_2}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{CH}_3}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{array} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{C}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{C}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{C}} \\ \end{matrix} \right\rangle \quad , \quad - \left\langle \begin{array}{c} \overset{\text{C}}{\overset{\text{C}}}$$

divalent linear or branched siloxane radical;

Y₂ has the same definitions as Y₁ with the exception of the formula

-CH₂CH(OH)CH₂O-Y₂-OCH₂CH(OH)CH₂-;

R₄₈ is hydrogen, C₁-C₁₂alkyl or phenyl; and

 R_{49} is hydrogen, CH_2OH or C_1 - C_4 alkyl.

- 6. **(previously presented)** A method according to claim 5, wherein component (d) in the composition is at least one compound selected from the group consisting of formula I and II.
- 7. (currently amended) A method according to claim 1, of curing a composition comprising
- (a) at least one free-radical-polymerisable compound or
- (b) at least one compound that, under the action of an acid, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or
- (c) at least one compound that, under the action of a base, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or

a mixture of components (a) and (b), or

a mixture of components (a) and (c); and

(d) at least one photolatent compound that is activatable by plasma discharge; wherein

the composition is applied to a three-dimensional substrate and

the curing is carried out in a plasma discharge chamber wherein component (d) in the composition is at least one compound selected from the group consisting of formula V, VI, VII and VIIa

$$R_{50}$$
 \rightarrow I^+ R_{51} Z^- (V), wherein

 R_{50} and R_{51} are each independently of the other hydrogen, C_1 - C_{20} alkyl, C_1 - C_{20} alkoxy, OH-substituted C_1 - C_{20} alkoxy, halogen, C_2 - C_{12} alkenyl, cycloalkyl, especially methyl, isopropyl or isobutyl; and

Z is an anion, especially PF₆, SbF₆, AsF₆, BF₄, $(C_6F_5)_4B$, Cl, Br, HSO₄, CF₃-SO₃, F-SO₃,

$$R_{52} - \stackrel{+}{S} - R_{54} - Z^{-}$$
 (VI), wherein R_{53}

R₅₂, R₅₃ and R₅₄ are each independently of the others unsubstituted phenyl, or phenyl substituted by -

Z is as defined above;

$$R_{55}$$
 C=N-O-R₅₇ (VII), or R_{55} C=N-O-R₅₇ (VIIa), wherein

$$\textbf{R}_{55} \text{ is } \quad \frac{\left[\begin{array}{c}O\\I\\C\end{array}\right]_q}{\left[C\right]_q} R_{58} \ \ , \ (CO)O\text{-}C_1\text{-}C_4\\ \text{alkyl, CN or } C_1\text{-}C_{12}\\ \text{haloalkyl;} \\ \end{array}$$

$$R_{56}$$
 has one of the definitions given for R_{55} or is $O^{-(CH_2)_3-O} = C_{R_{55}} = N - O - R_{57}$;

 R_{57} is C_1 - C_{18} alkylsulfonyl, C_1 - C_{10} haloalkylsulfonyl, camphorylsulfonyl, phenyl- C_1 - C_3 alkylsulfonyl, C_3 - C_{30} cycloalkylsulfonyl, phenylsulfonyl, naphthylsulfonyl, anthracylsulfonyl or phenanthrylsulfonyl, unsubstituted or substituted by one or more halogen, C_1 - C_4 haloalkyl, C_1 , C_2 , C_1 - C_4 alkyl, phenyl, C_1 - C_4 alkylthio, C_1 - C_4 alkoxy, phenoxy, C_1 - C_4 alkyl- C_1 - C_4 - C_4 - C_1 - C_4 - C_4 - C_1 - C_4 -

 X_1 , X_2 and X_3 are each independently of the others O or S;

q is 0 or 2; and

 R_{58} is C_1 - C_{12} alkyl, cyclohexyl, camphoryl, unsubstituted phenyl, or phenyl substituted by one or more halogen, C_1 - C_{12} alkyl, OR_{59} , SR_{59} or $NR_{60}R_{61}$ substituents;

 R_{59} is C_1 - C_{12} alkyl, phenyl, phenyl- C_1 - C_4 alkyl or C_1 - C_{12} hydroxyalkyl;

 R_{60} and R_{61} are each independently of the other hydrogen, C_1 - C_4 alkyl, C_2 - C_6 hydroxyalkyl, or R_{60} and R_{61} , together with the N atom to which they are bonded, form a 5- or 6-membered ring, which may also contain O atoms or an NR_{62} group;

R₆₂ is hydrogen, phenyl, phenyl-C₁-C₄alkyl, C₁-C₁₂alkyl or C₂-C₅hydroxyalkyl;

 R_{63} , R_{64} , R_{65} and R_{66} are each independently of the others C_1 - C_6 alkyl, C_1 - C_6 haloalkyl; or phenyl unsubstituted or substituted by C_1 - C_4 alkyl or by halogen; and

 R_{67} is hydrogen, C_1 - C_4 alkyl, phenyl or tolyl.

8. (cancelled)

- 9. (currently amended) [[A]] <u>The</u> method according to claim [[1]] <u>5</u>, wherein the composition comprises, in addition to the photolatent component (d), other additives (h), sensitiser compounds (f) or/and dyes or pigments (g).
- 10. (currently amended) [[A]] <u>The</u> method according to claim [[1]] <u>9</u>, wherein the composition comprises at least one light stabiliser or/and at least one UV absorber compound.
- 11. (currently amended) [[A]] <u>The</u> method according to claim [[1]] <u>5</u>, wherein the composition is a surface coating.
- 12. (currently amended) [[A]] The method according to claim [[1]] 5, wherein the composition is a printing ink.

- 13. (currently amended) [[A]] <u>The</u> method according to claim [[1 or]] <u>5</u>, wherein the composition comprises as polymerisable component solely free-radical-polymerisable compounds (a).
- 14. (currently amended) [[A]] <u>The</u> method according to claim 13, wherein the free-radical-polymerisable compound comprises at least one compound selected from the group consisting of mono-, di-, tri- or tetra-functional acrylate monomers and mono-, di-, tri- or tetra-functional acrylate-functional oligomers.
- 15. (currently amended) [[A]] <u>The</u> method according to claim [[1]] 5, wherein the composition comprises as polymerisable component solely cationically polymerisable or crosslinkable compounds (b).
- 16. (currently amended) [[A]] <u>The</u> method according to claim [[1]] <u>5</u>, wherein the composition comprises as polymerisable component a mixture of at least one free-radical-polymerisable compound (a) and at least one cationically polymerisable compound (b).
- 17. (currently amended) [[A]] <u>The</u> coated substrate which is coated on at least one surface by means of the method according to claim [[1]] <u>5</u>.
- 18. (currently amended) A coating obtainable obtained by a method according to claim [[1]] 5.
- 19. (currently amended) A method of curing a composition comprising
- (1) a combination of at least one electron acceptor <u>maleimide</u> compound and at least one electron donor vinyl ether compound; and
- (2) optionally at least one free-radical-polymerisable compound (a), wherein the curing is carried out in a plasma discharge chamber.
- 20. (currently amended) [[A]] The method according to claim 5 of curing a composition comprising
- (a) at least one free-radical-polymerisable component having at least one ethylenically unsaturated double bond, the free-radical-polymerisable component optionally additionally being functionalised with OH, NH₂, COOH, epoxy or NCO groups; and

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(a1) a mixture of at least one compound selected from the group consisting of polyacrylates and polyester polyols,

and at least one compound selected from the group consisting of melamine, melamine derivatives and blocked or non-blocked polyisocyanates;

or

(a2) a mixture of at least one compound selected from the group consisting of carboxyl-, anhydride- or amino-functional polyesters and carboxyl-, anhydride- or amino-functional polyacrylates,

and at least one compound selected from the group consisting of epoxy-functional polyesters and polyacrylates;

or

- (a3) a mixture of (a1) and (a2); and
- (d) at least one photolatent compound of that is activatable by plasma discharge selected from the group consisting of formula I, II, and IV;

wherein

the curing of the composition is carried out in a plasma discharge chamber and, optionally, thermal pre- or after-treatment is carried out.

- 21. (currently amended) [[A]] The method according to claim 5 of producing mouldings from composite materials, wherein a support is impregnated with [[a]] the composition comprising
- (a) at least one free-radical-polymerisable compound or
- (b) at least one compound that, under the action of an acid, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or
- (c) at least one compound that, under the action of a base, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or a mixture of components (a) and (b), or
- a mixture of components (a) and (c); and
- (d) at least one photolatent compound that is activatable by plasma discharge selected from the group consisting of formula I, II, and IV;

and is introduced into a mould;

wherein the curing is carried out in a plasma discharge chamber and, optionally, thermal aftertreatment is carried out.

22 27. (cancelled)

28. (currently amended) [[A]] The method according to claim [[2]] 7, wherein the composition comprises, in addition to the photolatent component (d), at least one light stabiliser or/and at least one UV absorber compound and optionally other additives (h), sensitiser compounds (f) or [[/and]] dyes or pigments (g).

29-37. (cancelled)

- 38. (new) The method according to claim 7, wherein the composition is a surface coating.
- 39. (new) The method according to claim 7, wherein the composition is a printing ink.
- 40. **(new)** The method according to claim 7, wherein the composition comprises as polymerisable component solely cationically polymerisable or crosslinkable compounds (b).
- 41. (new) The method according to claim 7, wherein the composition comprises as polymerisable component a mixture of at least one free-radical-polymerisable compound (a) and at least one cationically polymerisable compound (b).
- 42. (new) The method according to claim 7 of curing a composition comprising
- (a) at least one free-radical-polymerisable component having at least one ethylenically unsaturated double bond, the free-radical-polymerisable component optionally additionally being functionalised with OH, NH₂, COOH, epoxy or NCO groups; and
- (a1) a mixture of at least one compound selected from the group consisting of polyacrylates and polyester polyols, and at least one compound selected from the group consisting of melamine, melamine derivatives and blocked or non-blocked polyisocyanates;

or

- (a2) a mixture of at least one compound selected from the group consisting of carboxyl-, anhydride- or amino-functional polyesters and carboxyl-, anhydride- or amino-functional polyacrylates,
- and at least one compound selected from the group consisting of epoxy-functional polyesters and polyacrylates;

or

- (a3) a mixture of (a1) and (a2); and
- (d) at least one photolatent compound of that is activatable by plasma discharge selected from the group consisting of formula V, VI, VII and VIIa;

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wherein

the curing of the composition is carried out in a plasma discharge chamber and, optionally, thermal pre- or after-treatment is carried out.

- 43. **(new)** The method according to claim 7 of producing mouldings from composite materials, wherein a support is impregnated with the composition comprising
- (a) at least one free-radical-polymerisable compound or
- (b) at least one compound that, under the action of an acid, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or
- (c) at least one compound that, under the action of a base, is able to enter into a polymerisation, polycondensation or polyaddition reaction, or a mixture of components (a) and (b), or a mixture of components (a) and (c); and
- (d) at least one photolatent compound that is activatable by plasma discharge selected from the group consisting of formula V, VI, VII and VIIa; and is introduced into a mould; wherein the curing is carried out in a plasma discharge chamber and, optionally, thermal aftertreatment is carried out.